

Amendments to the Claims

1. (currently amended) A method for adapting visual contents to user's low-vision impairment symptom and presentation preferences, comprising the steps of:

receiving visual contents;

accepting information about the user's low-vision impairment symptom and presentation preferences and describing the information in a standardized description structure;

adapting the received visual contents through a method selected according to the information; and

The method of claim 9 further comprising displaying the adapted visual contents by the display device to the user.

2. (original) The method as claimed in claim 1, wherein the information about the user's low-vision impairment symptom includes at least one of information of indicating whether or not left and right eyes of the user are blind, left and right visions of the user, and the kind of the low-vision impairment symptom of the user.

3. (original) The method as claimed in claim 1, wherein the information about the user's low-vision impairment symptom includes a textual or numerical descriptor that describes a degree of the user's low-vision impairment symptom.

4. (original) The method as claimed in claim 1, wherein the information about the user's low-vision impairment symptom includes at least one selected from the group consisting of a degree of "loss of fine detail", a degree of "lack of contrast", a degree of "light sensitivity", a degree of "need of light", a degree of "loss of peripheral vision field", a degree of "loss of central vision field" and a degree of "loss of half field of vision".

5. (currently amended) ~~The method as claimed in claim 1,~~

A method for adapting visual contents to user's low-vision impairment symptom and presentation preferences, comprising the steps of:

receiving visual contents;

accepting information about the user's low-vision impairment symptom and presentation preferences and describing the information in a standardized description structure;

adapting the received visual contents through a method selected according to the information; and

displaying the adapted visual contents to the user;

wherein the information about the user's presentation preferences includes user's contents resource priority preference.

6. (original) The method as claimed in claim 5, wherein the contents resource priority preference has a modality priority preference and a genre priority preference.

7. (original) The method as claimed in claim 5, wherein the contents resource priority preference has an object priority preference.

8. (canceled)

9. (currently amended) A method for adapting visual contents to user's low-vision impairment symptom, the method comprising the steps of:

receiving obtaining visual contents by a system;

accepting obtaining, by the system, information about the user's low-vision impairment symptom and describing the information in a standardized description structure;

adapting, by the system, the received obtained visual contents according to the user information having the standardized description structure; and

displaying sending, by the system, the adapted visual contents to a display device the user;

wherein said adapting comprises at least one of operations (A) and (B) which are:

(A):

(A1) detecting a first region and a second region in the visual contents, the first region having lower luminance than the second region;

(A2) reducing the luminance of the first region while increasing the sharpness of the second region, wherein increasing the sharpness of the second region comprises:

(A2-1) detecting one or more edges in the second region, each edge being detected as a region of a high frequency; and

(A2-3) enhancing visibility of the one or more edges;

(B): converting at least a portion of the video contents to a non-video modality.

10. (original) The method as claimed in claim 9, wherein the information about the user's low-vision impairment symptom includes at least one selected from the group consisting of a degree of "loss of fine detail", a degree of "lack of contrast", a degree of "light sensitivity", a degree of "need of light", a degree of "loss of peripheral vision field", a degree of "loss of central vision field" and a degree of "loss of half field of vision".

11. (currently amended) A method for adapting visual multimedia contents to user's presentation preferences, comprising the steps of:

receiving obtaining multimedia visual contents by a system;

accepting obtaining, by the system, information about the user's presentation preferences and describing the information in a standardized description structure;

adapting, by the system, the received obtained multimedia visual contents according to the user information having the standardized description structure; and

displaying sending, by the system, the adapted visual multimedia contents to a multimedia contents presentation device for presenting the adapted multimedia contents to the user;

wherein said adapting comprises allocation of resources to each of different portions of the multimedia contents, wherein each portion's allocation corresponds to the user's presentation preferences and corresponds to a quality obtained for the portion in said adapting.

12. (currently amended) The method as claimed in claim 11,

A method for adapting visual contents to user's presentation preferences, comprising the steps of:

receiving visual contents;

accepting information about the user's presentation preferences and describing the information in a standardized description structure;

adapting the received visual contents according to the user information having the standardized description structure; and

displaying the adapted visual contents to the user;

wherein the information about user's presentation preferences includes user's contents resource priority preference.

13. (original) The method as claimed in claim 12, wherein the contents resource priority preference has a modality priority preference and a genre priority preference.

14. (currently amended) A system for adapting visual contents to user's low-vision impairment symptom and presentation preferences, the system comprising:

~~means for receiving visual contents;~~

~~means for accepting information about the user's low-vision impairment symptom and presentation preferences and storing the information in a standardized description structure;~~

means for adapting the received visual contents through a method selected according to [[the]] information about the user's low-vision impairment symptom; and

~~means for displaying the adapted visual contents to the user~~

wherein said adapting comprises at least one of operations (A) and (B) which are:

(A):

(A1) detecting a first region and a second region in the visual contents, the first region having lower luminance than the second region;

(A2) reducing the luminance of the first region while increasing the sharpness of the second region, wherein increasing the sharpness of the second region comprises:

(A2-1) detecting one or more edges in the second region, each edge being detected as a region of a high frequency; and

(A2-3) enhancing visibility of the one or more edges;

(B): converting at least a portion of the video contents to a non-video modality.

15. (original) The system as claimed in claim 14, wherein the information about the user's low-vision impairment symptom includes at least one selected from the group consisting of a degree of "loss of fine detail", a degree of "lack of contrast", a degree of "light sensitivity", a degree of "need of light", a degree of "loss of peripheral vision field", a degree of "loss of central vision field" and a degree of "loss of half field of vision".

16. (currently amended) ~~The system as claimed in claim 14,~~

A system for adapting visual contents to user's low-vision impairment symptom and presentation preferences, comprising:

means for receiving visual contents;

means for accepting information about the user's low-vision impairment symptom and presentation preferences and storing the information in a standardized description structure;

means for adapting the received visual contents through a method selected according to the information; and

means for displaying the adapted visual contents to the user;

wherein the information about user's presentation preferences includes a user's contents resource priority preference.

17. (original) The system as claimed in claim 14, wherein the means for adapting the visual contents carries out at least one technique selected according to the user information from contrast control, sharpness control, brightness control, glare reduction, adjustment of image size, presentation priority and modality transformation.